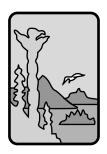
# ADEC TUNDRA TREATMENT MANUAL Bibliography



- Aiblin, A.E., K.J. Nadelhoffer, G.R. Shaver, J.A. Laundre and A.J. McKerrow. 1991. Biogeochemical diversity along riverside toposequence in arctic Alaska. *Ecological Monographs* 61(4): 415-35.
- Alaska Clean Seas. 1999. Alaska Clean Seas Technical Manual, Volume 1: Tactics Descriptions.

  Developed for Alyeska Pipeline Service Company, EXXON Company, BP Exploration, and ARCO Alaska, Inc.
- Alexander, Martin. 1995. How toxic are toxic chemicals in soil? *Environmental Science and Technology* 29(11):2713-17.
- Atlas, R.M. 1985. Effects of petroleum on microbial populations. In: *Petroleum Effects in the Arctic Environment*. F.R Engelhardt (ed.). Elsevier Applied Science Publishers, New York. pp. 67-98.
- Barker, M. 1985. Two-year study of the effects of a winter brine spill on tussock tundra. Report prepared for ARCO Alaska, Inc., March.
- Behr-Andres, C., J.K. Wiegers, S. Forester and J.S. Conn. 2001. Tundra Spill Cleanup and Remediation Tactics: A Study of Historic Spills and Literature. State of Alaska Department of Environmental Conservation.
- Bergstein, P.E. and J.R. Vestal. 1978. Crude oil biodegradation in Arctic tundra ponds. *Arctic* 31(3):158-169.
- Billings, W.D. 1973. Arctic and alpine vegetation: similarities, differences, and susceptibility to disturbance. *Bio Science* 23(12):697-704.
- Bishop, S.C., J.G. Kidd, T.C. Cater, L.J. Rossow and M.T. Jorgenson. 1998. Land rehabilitation studies in the Kuparuk Oilfield, Alaska, 1997. Twelfth Annual Report. Prepared for ARCO, Alaska, Inc. April.
- BP Exploration (Alaska), Inc. 1994. 1993 X-Pad restoration progress report and cooperative reclamation plan. September 1, 1993 to August 31, 1996. Environmental and Regulatory Affairs, Anchorage, Alaska.
- Braddock, J.F. and K.A. McCarthy. 1996. Hydrologic and microbiological factors affecting persistence and migration of petroleum hydrocarbons spilled in a continuous-permafrost region. *Environmental Science and Technology* 3(8):2626-33.
- Brendel, J. 1985. Revegetation of Arctic tundra after an oil spill: A case history. *Proceedings, Oil Spill Conference*, Washington, D.C. pp. 315-318.
- Bonham, Charles. D. 1989. *Measurements for Terrestrial Vegetation*. New York: John Wiley & Sons. 338 pp.
- Brown, A.L., and J.D. McKendrick. 1987. Joint industry/agency/university revegetation feasibility project. Paper presented at Fifth Symposium on Coastal and Ocean Management (Coastal Zone '87), Seattle, WA. May 26-29.
- Brown, Jerry, R.K. Haugen, and S. Parrish. 1975. Selected climatic and soil thermal characteristics of the Prudhoe Bay region. *Ecological Investigations of the Tundra Biome in the Prudhoe Bay Region, Alaska*, Jerry Brown (ed.), October 1975, pp. 3-11.
- Brown, J., W. Rickard and D. Victor. 1969. The effect of disturbance on permafrost terrain. CRREL Special Report 138.
- Brown, R.W., R.S. Johnston, and K.V. Cleve. 1978. Rehabilitation problems in alpine and arctic regions. In: *Reclamation of Drastically Disturbed Lands*. ASA-CSSA-SSSA, Madison WI. pp. 23-45
- Buchkina, N. 1998. Effects of native cover plants on mechanical stability of tundra soils. *Journal of Soil and Water Conservation*. July.

- Burgess, R.M, T.C. Cater and M.T. Jorgenson. 1996a. In situ bioremediation at the DS-L2 Spill, Prudhoe Bay, Alaska, 1992-1995. Alaska Biological Research, Inc. report to ARCO Alaska, Inc., Prudhoe Bay Unit and CH2M Hill, Inc. March.
- Burgess, R.M, T.C. Cater and M.T. Jorgenson. 1996b. In situ bioremediation at the Drill Site 1 and 2 relief pits, Prudhoe Bay, Alaska, 1992-1995. Alaska Biological Research, Inc. report to ARCO Alaska, Inc., Prudhoe Bay Unit and CH2M Hill, Inc. March.
- Burgess, R.M., M.T. Jorgenson, T.C. Cater, B.A. Anderson, L.L. Jacobs, and B.E. Lawhead. 1995a. Ecological Impact Assessment and Restoration Options for The DS-5 Oil Spill. Alaska Biological Research, Inc. Fairbanks, Alaska, February.
- Burgess, R.M, T.C. Cater, M.T. Jorgenson, and B.A. Anderson. 1995b. Ecological impact assessment and restoration options for the Pt. McIntyre oil spill. Alaska Biological Research, Inc. report to CH2MHILL and ARCO Alaska, Inc. February.
- Cargill, S.M., and F.S. Chapin III. 1986. Establishment of native plants on disturbed sites in arctic Alaska. P.J. Webber (ed.): Restoration and Vegetation Succession in Circumpolar Lands. Proceedings of the 7th Conference Comite Arctique Int., 7-13 September 1986, Reykjavik, Iceland. (Cited in Jorgenson 1988).
- Cargill, S.M. and F.S. Chapin III. 1987. Application of successional theory to tundra restoration: a review. *Arctic and Alpine Research* 19(4):366-372.
- Cater, T.C., R.M. Burgess and M.T. Jorgenson. 1996. In-situ remediation of contaminated tundra at the Central Gas Facility, Prudhoe Bay, Alaska, 1995. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. March.
- Cater, T.C., R.M. Burgess and M.T. Jorgenson. 1997. Assessment of phytotoxicity of tundra soil contaminated with diesel fuel, drill site-L2, Prudhoe Bay, Alaska, 1996, Final Report. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. January.
- Cater, T.C. and M.T. Jorgenson. 1994. Remediation of gravel and tundra at the SWPT pad, Kuparuk Oilfield, Alaska, 1993, Final Report. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. March.
- Cater, T.C. and M.T. Jorgenson. 1995. Long-term ecological monitoring of tundra affected by a crude oil spill near Drill Site 2U, Kuparuk oilfield, Alaska, 1994 Annual Report. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. February.
- Cater, T.C. and M.T. Jorgenson. 1996a. Land rehabilitation studies in the Kuparuk Oilfield, Alaska, 1995. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. and Kuparuk River Unit, December.
- Cater, T.C. and M.T. Jorgenson. 1996b. Sewage sludge application on a gravel pad in the Kuparuk Oilfield, Alaska, 1989-1995. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. and Kuparuk River Unit, April.
- Cater, T.C. and M.T. Jorgenson. 1999. Assessing damage from hydrocarbons and cleanup operations after crude oil spills in arctic Alaska. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. February.
- Cater, T.C., E.R. Pullman, R.M. Burgess and M.T. Jorgenson. 1998. Cleanup and bioremediation of crude oil and methanol at drill site 16, Prudhoe Bay Oilfield, Alaska, 1997, Final Report. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. May.
- Chapin, F.S. and G.R. Shaver. 1985. Individualistic growth response of tundra plant species to environmental manipulations in the field. *Ecology* 66(2):564-576.
- Chester, A.L. and G.R. Shaver. 1982. Seedling dynamics of some cotton grass tussock tundra species during the natural revegetation of small disturbed areas. *Holarctic Ecology* 5:207-11.

- Concawe. 1981. A field guide to coastal oil spill control and clean-up techniques. September. (Reprint in 1992).
- Concawe. 1983. A field guide to inland oil spill clean-up techniques. December (Reprint 1991).
- Costerton, J.W., G.J. Brunskill, T. Hutchinson and P. Widden. 1978. Summary of the workshop on ecological effects of the hydrocarbon spills in Alaska. *Arctic* 31(3): 408-11.
- Deneke, F.J., B.H. McCown, P.I. Coyne, W. Rickard and J. Brown. 1975. Biological aspects of terrestrial oil spills: USA CRREL oil research in Alaska., 1970-1974. CRREL Research Report 346.
- Densmore, R.V., B.J. Neiland, J.C. Zasada, and M.A. Masters. 1987. Planting willow for moose habitat restoration on the North Slope of Alaska, U.S.A. *Arctic and Alpine Research*. 19(4):537-543.
- Ebersole, J.J. 1987. Short-term vegetation recovery at an Alaskan Arctic Coastal Plain site. *Arctic and Alpine Research* 19(4):442-450.
- Ebersole, J.J. and P.J. Webber. 1983. Biological decomposition and plant succession following disturbance on the Arctic Coastal Plain, Alaska. Pages 266-271 in Proceedings, Permafrost Fourth International Conference July 17-22, 1983, Fairbanks, AK.
- Emers, M., J.C. Jorgenson. 1995. Effects of winter seismic exploration on tundra vegetation and the soil thermal regime in the Arctic National Wildlife Refuge, Alaska. *Disturbance and Recovery in Arctic Lands*, R.M.M. Crawford (ed.), 1997, Netherlands. pp. 443-454.
- Everett, K.R. 1978. Some effects of oil on the physical and chemical characteristics of wet tundra soils. *Arctic* 31(3):260-276.
- Exxon. 1992. Oil Spill Response Field Manual. November.
- Felix N.A. and M.K. Raynolds. 1989. The effects of winter seismic trails on tundra vegetation in northeastern Alaska, U.S.A. *Arctic and Alpine Research* 21(2):188-202.
- Felix, N.A., M.K. Raynolds, J.C. Jorgenson, and K.E. DuBois. 1992. Resistance and resilience of tundra plant communities to disturbance by winter seismic vehicles. Arctic and Alpine Research 24(1):69-77.
- French, H.M. 1986. Surface disposal of waste drilling fluids, Ellef Ringnes Island, N.W.T.: short-term observations. *Arctic* (36) 4: 292-302.
- Gartner, B.L., F. S. Chapin III, and G.R. Shaver. 1983. Demographic patterns of seedling establishment and growth of native graminoids in an Alaskan tundra disturbance. *Journal of Applied Ecology* 20:965-980.
- Harding Lawson Associates. 1988. Kuparuk River Unit tundra environmental chemistry study, North Slope, Alaska (Volume 1), April. Prepared for ARCO Alaska, Inc., Anchorage, Alaska. 489 pp.
- Henry, G.H.R. and A. Gunn. 1991. Recovery of tundra vegetation after overgrazing by caribou in Arctic Canada. *Arctic* 44(1):38-42.
- Herlugson, C.J., J.D. McKendrick and L.H. Fanter. No date. Long-Term Arctic Wetland Rehabilitation Research.
- Herlugson, C.J., J.D. McKendrick, and J.A. Parnell. 1996. Gravel pad restoration on Alaska's North Slope. Paper presented at the International Conference on Health, Safety & Environment held in New Orleans, 9-12 June 1996.
- Hernandez, H. 1973. Natural plant recolonization of surficial disturbances, Tuktoyaktuk Peninsula region, Northwest Territories. *Canadian Journal of Botany* 51:2177-2196.
- Horowitz, A. A. Sexstone, and R.M. Atlas. 1978. Hydrocarbons and microbial activities in sediment of an Arctic lake one year after contamination with leaded gasoline. *Arctic* 31(3):180-191.

- Howard, Philip D. 1991. Handbook of environmental degradation rates. Chelsea, Michigan: Lewis Publishers. 725 pp.
- Jenkins, T.F., L.A. Johnson, C.M. Collins and T.T. McFadden. 1978. The physical, chemical and biological effects of crude oil spills on black spruce forest, interior Alaska. Arctic 31(3):305-323.
- Johnson, A.W. and B.J. Neiland. 1983. An analysis of succession on frost scars 1961-1980, pp. 537-42 in the Proceedings, Fourth International Conference July 17-22, 1983, Fairbanks, AK.
- Johnson, L. and L. Viereck. 1983. Recovery and active layer changes following a tundra fire in northwestern Alaska. Pages 543-547 in Proceedings, Permafrost Fourth International Conference July 17-22, 1983, Fairbanks, AK.
- Jordan, M.J., J.E. Hobbie, and B.J. Peterson. 1978. Effect of petroleum hydrocarbons on microbial populations in an Arctic lake. *Arctic* 31(3):170-179.
- Jorgenson, M.T. 1987. Revegetation of the Lake State 1 exploratory well site, Prudhoe Bay Oilfield, Alaska, 1987. Alaska Biological Research, Inc. report to ARCO Alaska, Inc.
- Jorgenson, M.T. 1997. Effects of petroleum spills on tundra ecosystems. NPR-A Symposium Draft Proceedings on Science, Traditional Knowledge, and the Resources of the Northeast Planning Area of the National Petroleum Reserve-Alaska. April 16-18, 1997, Anchorage, AK.
- Jorgenson, M.T. and T.C Cater. 1992. Bioremediation and tundra restoration after a crude oil spill near drill site 2U, Kuparuk oilfield, Alaska, Final Report. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. November.
- Jorgenson, M.T. and T. C. Cater. 1995. Cleanup, bioremediation, and tundra restoration after a crude oil spill, S.E. Eileen exploratory well site, Prudhoe Bay, Alaska, Final Report. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. February.
- Jorgenson, M.T. and T.C. Cater. 1996. Minimizing ecological damage during cleanup of terrestrial and wetland oil spills, 1996. Storage Tanks. *Advances in Environmental Control Technology Series*, pp. 257-93.
- Jorgenson, M.T. and T.C. Cater. 1999. Alaska Biological Research, Inc. Personal Communication with A. Taylor and D. Reeder (OASIS Environmental, Inc.). January 15.
- Jorgenson, M.T., T.C. Cater, and L.A. Nix. 1993. Cleanup, Bioremediation, and Tundra Restoration after a Crude Oil Spill, S.E. Eileen Exploratory Well Site, Prudhoe Bay, Alaska, 1992. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. May.
- Jorgenson, M.T., T.C. Cater, Michael D. Smith, and Betty A. Anderson. 1995. Remote sensing of salinity and gravel impacts to tundra ecosystems using vegetation indicators at four drill sites in the Kuparuk Oilfield, 1994, Final Report. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. October.
- Jorgenson, M.T. and M.R. Joyce. 1994. Six strategies for rehabilitating land disturbed by oil development in arctic Alaska. *Arctic*, 47(4):374-90.
- Jorgenson, M.T. and J.G. Kidd. 1994. Extent of vegetation impacts adjacent to eight drill sites in the Prudhoe Bay Oilfield, 1993, Final Report. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. and CH2M Hill. May.
- Joyce, M.R. 1987. Revegetation in the Arctic. Paper presented at the Fifth Symposium on Coastal and Ocean Management (Coastal Zone '87), Seattle, WA. May 26-29.
- Kershaw, G.P. and L.J. Kershaw. 1987. Successful plant colonizers on disturbances in tundra areas of northwestern Canada. *Arctic and Alpine Research* 19(4):451-460.
- Kidd, J.G., T.C. Cater, L.J. Rossow, and M.T. Jorgenson. 1997. Land rehabilitation studies in the Kuparuk Oilfield, Alaska, 1996, Eleventh Annual Report. Alaska Biological Research, Inc. report to ARCO Alaska, Inc. and Kuparuk River Unit. June.

- Komarkova, V. 1983. Recovery of plant communities and summer thaw at the 1949 Fish Creek Test Well 1, Arctic Alaska. Pages 645-650 in *Proceedings, Permafrost Fourth International Conference*, July 17-22, 1983, Fairbanks, AK.
- Lambert, J.D.H. 1972. Plant succession on tundra mudflows: preliminary observations. Arctic 25:99-106.
- Lawson, D.E., J. Brown, K.R. Everett, A.W. Johnson, V. Komarkova, B.M. Murray, D.F. Murray and P.J. Webber. 1978. Tundra disturbances and recovery following the 1949 exploratory drilling, Fish Creek, Northern Alaska. Cold Regions Research and Engineering Laboratory (CRREL) Report 78-28. December.
- Lincoln, R.J. 1987. The Cambridge Illustrated Dictionary of Natural History. New York: Press Syndicate of the University of Cambridge. 413 pp.
- Linkins, A.E., R.M. Atlas and P. Gustin. 1978. Effect of surface applied crude oil on soil and vascular plant root respiration, soil cellulase, and hydrocarbon hydroxlyase at Barrow, Alaska. *Arctic* 31(3):355-365.
- Mackay, D.T. W. Ng, W. Ying Shiu, and B. Reuber. 1979. The degradation of crude oil in northern soils. Report prepared for Arctic Land Use Research Program, Northern Environmental Protection and Renewable Resources Branch, Department of Indian Affairs and Northern Development. August.
- Mackay, J.R. 1970. Disturbance to the tundra and forest tundra environment of western Arctic. Canadian Geotechnical Journal 7:420-432.
- McCown, B.H., F.J Deneke, W. Rickard, L.L. Tieszen. 1973. The response of Alaskan terrestrial plant communities to the presence of petroleum. Proceedings of the Symposium on the Impact of Oil Resource Development on Northern Plant Communities, Occasional Publications on Northern Life No. 1. Institute of Arctic Biology, University of Alaska, Fairbanks. March. pp. 35-43.
- McKendrick, J.D. 1978. Effects of burning crude oil spilled onto six habitat types in Alaska. *Arctic* (31)3:277-295.
- McKendrick, J.D. 1986. Final well site cleanup on National Petroleum Reserve Alaska: recording of tundra plant responses. Volume III. Final Report prepared for U.S. Geological Survey, Anchorage, by Nuera Reclamation Co., Inc., Anchorage. 224 pp. (Cited in Jorgenson 1988)
- McKendrick, J.D. 1987. Plant succession on disturbed sites, North Slope, Alaska. U.S.A. Arctic and Alpine Research 19(4):554-565.
- McKendrick, J.D. 1991. Arctic tundra rehabilitation: observations of progress and benefits to Alaska. *Agroborealis* (23)1: 29-40.
- McKendrick, J.D. 1993a. *Arctophila fulva*. Transplanting *Arctophila fulva* to create emergent vegetation habitats in arctic Alaska. North Slope Habitat Series. Prepared for BP Exploration (Alaska) Inc. December, 1993.
- McKendrick, J.D. 1983b. Alaska's rangelands, Chapter 11. *In*: McNicholas, H. L. (ed.) *Alaska's Agriculture and Forestry*, Alaska Rural Development Council Publication #3. pp. 125-156.
- McKendrick, J.D. 1996a. Rehabilitating arctic tundra in Alaska. Presented to North American Water and Environment Congress, American Society of Civil Engineers.
- McKendrick, J.D. 1996b. Vegetation recolonization on salt-damaged soil in Arctic Alaska. Presented at Proceedings of High Altitude Revegetation Workshop No. 12, Colorado State University, Fort Collins, February 21-23, 1996.
- McKendrick, J.D. 1997a. Long-term tundra recovery in northern Alaska. Crawford, R.M. (ed.), (1997) In: *Disturbance and Recovery in Arctic Lands: An Ecological Perspective* (in press) Kluwer Academic Publishers. pp. 503-518.

- McKendrick, J.D. 1997b. Memorandum to Ms. Judith Brendel, Alyeska Pipeline Service Company. September 11.
- McKendrick, J.D. 1997c. Recovery and rehabilitation of disturbed wetland sites. Presented at NPR-A symposium of Science, Traditional Knowledge, and the Resources of the Northeast Planning Area of the National Petroleum Reserve-Alaska, Anchorage, AK. April 16-18.
- McKendrick, J.D. 1999. Arctic tundra recovery from crude oil after 24 years, Prudhoe Bay. *Agroborealis* (31)1: 28-35.
- McKendrick, J.D., G.O. Batzli, K.R. Everett and J.C. Swanson. 1980. Some effects of mammalian herbivores and fertilization on tundra soils and vegetation. *Arctic and Alpine Research* (12)4: 565-578.
- McKendrick, J.D., J.D. LaPerrier and T.E. Loynachan. 1981. Cold climate oil spills: a terrestrial and freshwater research review. Report prepared for Municipal Environmental Research Laboratory-Cincinnati, OH. Office of Research and Development, U.S Environmental Protection Agency, Cincinnati, OH 45268. February.
- McKendrick, J.D. and W.W. Mitchell. 1978. Fertilizing and seeding of oil-damaged arctic tundra to effect vegetation recovery Prudhoe Bay, Alaska. *Arctic* (31)3: 296-304.
- Miller, M.C., V. Alexander and R.J. Barsdate. 1978. The effects of oil spills on phytoplankton in an Arctic lake and ponds. *Arctic* 31(3):192-218.
- Miller Jr., O.K., A.E. Linkins and M.A. Chmielewski. 1978. Fungal biomass responses in oil perturbated tundra at Barrow, Alaska. *Arctic* 31(3):394-407.
- Mitchell, W.W. 1970. Revegetation problems and progress. Agroborealis (February 1970):18-19.
- Mitchell, W.W. 1978. Development of plant materials for revegetation in Alaska. Presented at Proceedings: High Altitude Revegetation Workshop No. 3, Colorado State University, Fort Collins. pp. 105-115.
- Mitchell, W.W. and J. D. McKendrick. 1975. Report of research progress on reclamation of land damaged by oil spills. Prepared for Alyeska Pipeline Service Company. April.
- Mitchell, W.W., J.D. McKendrick, F.J. Wooding, and M.A. Barzee. 1974. Agronomists on the banks of the Sagavanirktok. *Agroborealis* (May 1974):33-35.
- Mozley, S.C. and M.G. Butler. 1978. Effects of crude oil on aquatic insects of tundra ponds. 1978. *Arctic* 31(3):229-241.
- Myers, K.C and M.H. Barker. 1984. Examination of drilling reserve pit fluids and effects of tundra disposal at Prudhoe Bay, Alaska, 1982-1983.
- Myers, K.C and M.H. Barker. 1985. Vegetation effects of drill reserve pit fluid disposal at Prudhoe Bay, Alaska.
- Newell, R.L. 1987. Revegetation in the Arctic. Paper presented at the Fifth Symposium on Coastal and Ocean Management (Coastal Zone '87), Seattle, WA. May 26-29.
- Nicholson, F.H. 1978. Permafrost modification by changing the natural energy budget. In: *Proceedings, Permafrost Third International Conference 1978*, Edmonton, Alberta, Canada.
- NOAA. 1994. Options for minimizing environmental impacts of freshwater spill response. Hazardous Materials Response & Assessment Division. June.
- NOAA. 1994. Shoreline countermeasures manual. Hazardous Materials Response & Assessment Division. April.
- O'Brien, W.J. 1978. Toxicity of Prudhoe Bay crude oil to Alaskan Arctic zooplankton. *Arctic* 31(3):219-228.

- Owens Coastal Consultants. 1994. North Slope shoreline oil spill countermeasures manual. Prepared for Alaska Clean Seas. December.
- Owensby, C.E. 1973. Modified step-point system for botanical composition and basal cover estimates. *Journal of Range Management* 26 (4):302-303.
- Plice, M.J. 1948. Some effects of crude petroleum on soil fertility. Soil Science 13:413-416.
- Post, R.A. 1991. Restoring Alaska's wetlands. *National Wetlands Newsletter* July/August 1991. pp. 8-11.
- Reiley, B.A., J.D. McKendrick and S.C. Lombard. 1995. Evaluation of liquid calcium (LCA II) in reducing salinity for arctic tundra rehabilitation. In: *National Interagency Workshop on Wetlands*, New Orleans, LA. 3-7 April 1995, Ed. Mary C. Landin. U.S. Army Corps of Engineers Waterways Experiment Station, Vicksburg, Mississippi, pp 331-334.
- Reynolds, C.M., W.A. Bradley, M.D. Travis, L.B. Perry and I.K. Iskandar. 1998. Bioremediation of hydrocarbon-contaminated soils and groundwater in northern climates. CRREL Special Report 98-5.
- Rickard, Warren. 1972. Preliminary ecological evaluation of the effects of air cushion vehicle tests on the arctic tundra of northern Alaska. CRREL Special Report 182.
- Rickard, W.E. and J. Brown. 1974. Effects of off-road vehicles on the tundra landscape. *Environmental Conservation* 1:55-62.
- Rogers, H.B., C.A. Beyrouty, T.D Nichols, D.C. Wolf, and C.M Reynolds. 1996. Selection of cold tolerant plants for growth in soils contaminated with organics. *Journal of Soil Contamination* 5(2):171-186.
- Rovansek, R.J., L.D. Hinzman, and D.L. Kane. 1996. Hydrology of a tundra wetland complex on the Alaskan Arctic Coastal Plain, U.S.A. *Arctic and Alpine Research* 28(3):311-317.
- Salanitro, J.P., P.B. Dorn, M.A. Huesemann, K.O. Moore, I.A. Rhodes, L.M. Rice Jackson, T.M. Vipond, M.M. Western and H.L. Wisniewski. 1997. Crude oil hydrocarbon bioremediation and soil ecotoxicity assessment. *Environmental Science Technology* 31:1769-76.
- Sandkvist, Jim. Oil spills in arctic regions environmental hazards and recovery techniques, in the proceedings from and unknown source, 3:1281-96.
- Sexstone, A., K.R. Everett, T. Jenkins and R.M. Atlas. 1978. Fate of crude and refined oils in North Slope soils. *Arctic* 31(3):339-347.
- Sexstone, A., P. Gustin and R. M. Atlas. 1978. Long-term interactions of microorganisms and Prudhoe Bay crude oil in tundra soils at Barrow, Alaska. *Arctic* 31(3): 348-354.
- Shaver, G.R. and F.S. Chapin III. 1986. Effect of fertilizer on production and biomass of tussock tundra, Alaska, U.S.A. *Arctic and Alpine Research* 18(3):261-268.
- Shaver, G.R., B.L. Gartner, F.S. Chapin III, and A.E. Linkins. 1983. Revegetation of Arctic disturbed sites by native tundra plants. Pages 1133-1138 in *Proceedings, Permafrost Fourth International Conference*. July 17-2, 1983, Fairbanks, Alaska.
- Shell Western E&P, Inc., Sohio Alaska Petroleum Company, Exxon Company, USA, and Amoco Production Company. 1984. Oil Spill Response in the Arctic Part 3: Technical Documentation.
- Simmons, C.L., K.R. Everett, D.A. Walker, A.E. Linkons, and P.J. Webber. 1983. Sensitivity of plant communities and soil flora to seawater spills, Prudhoe Bay, Alaska. CRREL Report 83-24. U.S. Army Corps of Engineers, Cold Regions Research and Engineering Laboratory. Hanover, New Hampshire.
- Smith, P.D.J. 1988. Cost analysis report of revegetating various sites with Arctophila fulva. Under subcontract to the University of Alaska Fairbanks Arctophila Revegetation Study. pp. 16-29.

- Van Cleve, K. 1975. Recovery of disturbed tundra and taiga surfaces in Alaska. International Symposium on Recovery of Damaged Ecosystems. Virginia Polytechnic Institute. Blacksburg, VA. 23-25 March 1975.
- Viereck, L.A., C.T. Dyrness, A.R. Batten, K.J. Wenzlick. 1992. The Alaska vegetation classification system. Gen. Tech. Rep. PNW-GTR-286. Portland, Oregon: Department of Agriculture, Forest Service, Pacific Northwest Research Station. 278 p.
- Walker, D.A. 1983. A hierarchical tundra vegetation classification especially designed for mapping in northern Alaska. Pages 1332-1337 in *Proceedings, Permafrost Fourth International Conference* July 17-22, 1983, Fairbanks, AK.
- Walker, D.A. 1997. Arctic Alaskan vegetation disturbance and recovery. *Disturbance and Recovery in Arctic Lands*, R.M.M. Crawford (ed.), 1997, Netherlands, pp. 457-79.
- Walker, D.A. and K.R. Everett. 1991. Loess ecosystems of northern Alaska: regional gradient and toposequence at Prudhoe Bay. *Ecological Monographs* 61(4):437-464.
- Walker, D.A., K.R. Everett, P.J. Webber, and J. Brown. 1980. Geobotanical atlas of the Prudhoe Bay region, Alaska. U.S. Army Corps of Engineers, Cold Region Research Engineering Laboratory, Hanover, NH. CRREL Report 80-14.
- Walker, D.A., P.J. Webber, K.R. Everett and J. Brown. 1978. Effects of crude and diesel oil spills on plant communities at Prudhoe Bay, Alaska, and the derivation of oil spill sensitivity maps. *Arctic* 31(3):242-259.
- Walker, M.D., D.A. Walker, and K.R. Everett. 1989. Wetland soils and vegetation, Arctic Foothills, Alaska. National Ecology Research Center, U.S. Fish and Wildlife Service Biological Report 89(7). June. 89 pp.
- Webber, P.J. and J.D. Ives. 1978. Recommendations concerning the damage and recovery of tundra vegetation. *Environmental Conservation* 5(3):171-182.
- Webber, P.J., D.A. Walker. 1975. Vegetation and landscape analysis at Prudhoe Bay, Alaska: A vegetation map of the tundra biome study area. Ecological Investigations of the Tundra Biome in the Prudhoe Bay Region, Alaska, Jerry Brown (ed.), October 1975, pp. 81-89.
- West, R.L., and E. Snyder-Conn. 1987. The effects of Prudhoe Bay reserve pit fluids on the water quality and macroinvertebrates of tundra ponds. U.S. Fish and Wildlife Service, Fairbanks, Alaska.
- Williams, P.J. and M.W. Smith. 1989. *The Frozen Earth: Fundamentals of Geocryology*. Cambridge University Press.
- Wollard, Dr Craig R. 1995. Determination of extractable natural organic material from Alaskan soils. (With attached Memorandum by Dr. Daniel M. White).
- Woodward-Clyde. 1995a. Wainwright Alaska Spill ADEC #94310114401 Field Investigation.
  Woodard-Clyde Consultants. Report to Alaska Department of Environmental Conservation, February.
- Woodward-Clyde. 1995b. Wainwright Alaska Spill ADEC #94310114401 Field Investigation. Woodward-Clyde Consultants. Report to Alaska Department of Environmental Conservation, September.
- Wright, Stoney. 1994. Beach wildrye: planting guide for Alaska. Alaska Plant Materials Center, Alaska Department of Natural Resources.
- Younkin, W.E., et al. 1980. Environmental assessment of the terrestrial disposal of waste drilling fluids in Alberta; chemistry of sump fluids and effects on vegetation and soils. Can. Petro. Assoc.